



## results of BLAST

### BLASTP 2.2.10 [Oct-19-2004]

#### Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1101696408-1831-171263403192.BLASTQ4

#### Query=

(5 letters)

**Database:** All non-redundant GenBank CDS

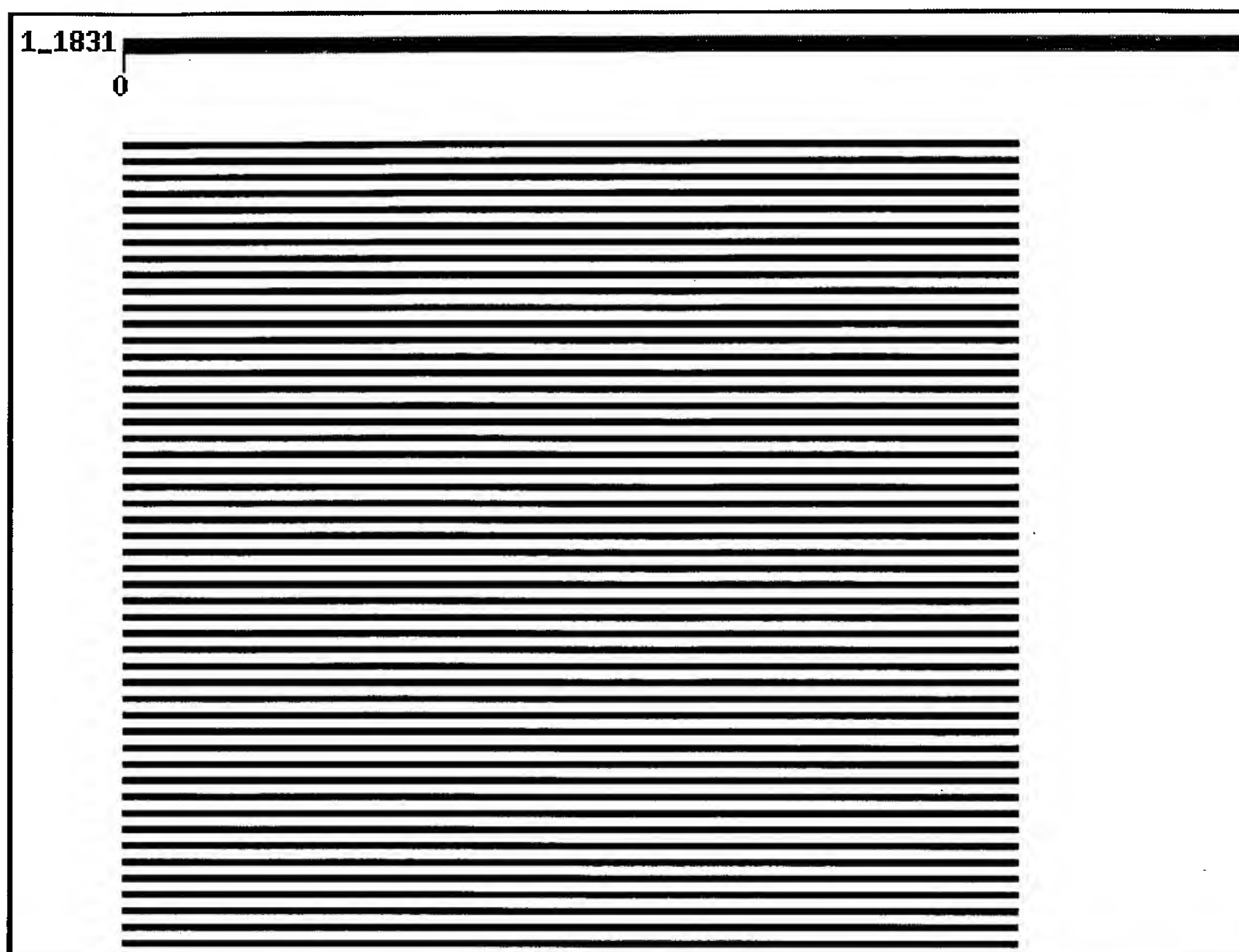
translations+PDB+SwissProt+PIR+PRF excluding environmental samples  
2,183,111 sequences; 740,385,392 total letters

If you have any problems or questions with the results of this search please refer to the [BLAST FAQs](#)

[Taxonomy reports](#)

### Distribution of 100 Blast Hits on the Query Sequence

Mouse-over to show defline and scores. Click to show alignments



Sequences producing significant alignments:

			Score	E	
			(bits)	Value	
gi 13605398 gb AAK32703.1	prolactin receptor isoform delta...		21	2370	<b>G</b>
gi 12324040 gb AAG51989.1	glyoxalase II, putative; 78941-8...		21	2370	
gi 6981702 ref NP_036816.1	variable coding sequence A1 [Ra...		21	2370	<b>G</b>
gi 4506107 ref NP_000940.1	prolactin receptor [Homo sapien...		21	2370	<b>G</b>
gi 16272296 ref NP_438509.1	ferredoxin-type protein [Haemo...		21	2370	<b>G</b>
gi 134555 sp P13432 SMR1 RAT	SMR1 protein precursor (VCS-al...		21	2370	<b>G</b>
gi 33113955 gb AAP94580.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113947 gb AAP94574.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113943 gb AAP94571.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113939 gb AAP94568.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113935 gb AAP94565.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113931 gb AAP94562.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113912 gb AAP94550.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113899 gb AAP94542.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113894 gb AAP94539.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113892 gb AAP94538.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113885 gb AAP94533.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113881 gb AAP94530.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113873 gb AAP94524.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113869 gb AAP94521.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113865 gb AAP94518.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113861 gb AAP94515.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113858 gb AAP94513.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113846 gb AAP94506.1	NADH dehydrogenase subunit II [A...		21	2370	
gi 33113842 gb AAP94504.1	NADH dehydrogenase subunit II [A...		21	2370	

<a href="#">gi 33113840 gb AAP94503.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113833 gb AAP94498.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113830 gb AAP94496.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113828 gb AAP94495.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113824 gb AAP94493.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113817 gb AAP94488.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113813 gb AAP94485.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113799 gb AAP94475.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113795 gb AAP94472.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113792 gb AAP94470.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113790 gb AAP94469.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113788 gb AAP94468.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113783 gb AAP94465.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113776 gb AAP94460.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113768 gb AAP94455.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113766 gb AAP94454.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113764 gb AAP94453.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113758 gb AAP94450.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113756 gb AAP94449.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113753 gb AAP94447.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113746 gb AAP94442.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113744 gb AAP94441.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113742 gb AAP94440.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113739 gb AAP94438.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113733 gb AAP94434.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113730 gb AAP94432.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113728 gb AAP94431.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113726 gb AAP94430.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113724 gb AAP94429.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113721 gb AAP94427.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113717 gb AAP94424.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113713 gb AAP94421.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113710 gb AAP94419.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113704 gb AAP94416.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113702 gb AAP94415.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 33113680 gb AAP94401.1 </a>	NADH dehydrogenase subunit II [A...	21	2370	
<a href="#">gi 50404959 ref YP_054051.1 </a>	hypothetical protein with coil...	21	2370	<b>G</b>
<a href="#">gi 21553382 gb AAM62475.1 </a>	putative cinnamoyl CoA reductase...	21	2370	
<a href="#">gi 22655048 gb AAM98115.1 </a>	Atlg53580/F22G10.9 [Arabidopsis ...	21	2370	<b>G</b>
<a href="#">gi 50746056 ref XP_420358.1 </a>	PREDICTED: similar to CGI prot...	21	2370	<b>G</b>
<a href="#">gi 50309785 ref XP_454905.1 </a>	unnamed protein product [Kluyv...	21	2370	<b>G</b>
<a href="#">gi 50302233 ref XP_451050.1 </a>	unnamed protein product [Kluyv...	21	2370	<b>G</b>
<a href="#">gi 50293721 ref XP_449272.1 </a>	unnamed protein product [Candi...	21	2370	<b>G</b>
<a href="#">gi 29423691 gb AA073437.1 </a>	prolactin receptor long form [Ce...	21	2370	
<a href="#">gi 48868880 ref ZP_00322168.1 </a>	COG1145: Ferredoxin [Haemoph...	21	2370	
<a href="#">gi 13357263 gb AAK20060.1 </a>	putative protein phosphatase 2C ...	21	2370	
<a href="#">gi 13346878 gb AAK19887.1 </a>	unknown [Polyangium cellulosum]	21	2370	
<a href="#">gi 20197297 gb AAC63661.2 </a>	putative cinnamoyl CoA reductase...	21	2370	<b>G</b>
<a href="#">gi 55728721 emb CAH91100.1 </a>	hypothetical protein [Pongo pyg...	21	2370	
<a href="#">gi 1107920 emb CAA62137.1 </a>	Wbfc protein [Vibrio cholerae] >...	21	2370	
<a href="#">gi 48102979 ref XP_395474.1 </a>	similar to ENSANGP00000009218 ...	21	2370	<b>G</b>
<a href="#">gi 8777335 dbj BAA96925.1 </a>	unnamed protein product [Arabido...	21	2370	<b>G</b>
<a href="#">gi 13518042 gb AAG29103.2 </a>	zinc metallopeptidase 1 [Ancylos...	21	2370	
<a href="#">gi 14549937 gb AAK67057.1 </a>	metalloendopeptidase-1 [Ancylost...	21	2370	
<a href="#">gi 8671869 gb AAF78432.1 </a>	Contains similarity to an unknown...	21	2370	
<a href="#">gi 18375497 gb AAC39112.2 </a>	putative amylase-related protein...	21	2370	
<a href="#">gi 1359602 emb CAA65511.1 </a>	RI01 [Saccharomyces cerevisiae]	21	2370	

<a href="#">gi 1563749 emb CAA54833.1 </a>	SMR1-alpha3 [Rattus norvegicus]	<u>21</u>	2370	
<a href="#">gi 15812123 gb AAC27590.2 </a>	NADH dehydrogenase subunit II [A...	<u>21</u>	2370	
<a href="#">gi 32187996 dbj BAC78413.1 </a>	NADH dehydrogenase subunit 2 [C...	<u>21</u>	2370	<b>G</b>
<a href="#">gi 37727474 gb AAO42736.1 </a>	NADH dehydrogenase subunit 2 [Ch...	<u>21</u>	2370	
<a href="#">gi 37727472 gb AAO42735.1 </a>	NADH dehydrogenase subunit 2 [Mi...	<u>21</u>	2370	
<a href="#">gi 37727470 gb AAO42734.1 </a>	NADH dehydrogenase subunit 2 [Mi...	<u>21</u>	2370	
<a href="#">gi 730615 sp P38671 RPOM NEUCR</a>	DNA-directed RNA polymerase,...	<u>21</u>	2370	
<a href="#">gi 47222646 emb CAG00080.1 </a>	unnamed protein product [Tetrao...	<u>21</u>	2370	
<a href="#">gi 45526443 ref ZP_00177648.1 </a>	COG0302: GTP cyclohydrolase ...	<u>21</u>	2370	
<a href="#">gi 42629807 ref ZP_00155352.1 </a>	COG1145: Ferredoxin [Haemoph...	<u>21</u>	2370	
<a href="#">gi 2895765 gb AAC03021.1 </a>	ribosomal protein L18a [Salmo sal...	<u>21</u>	2370	
<a href="#">gi 42632259 ref NP_976127.1 </a>	NADH dehydrogenase subunit 2 [...	<u>21</u>	2370	<b>G</b>
<a href="#">gi 25412171 pir  C84630</a>	probable cinnamoyl CoA reductase [i...	<u>21</u>	2370	
<a href="#">gi 7019732 emb CAB75847.1 </a>	prolactin receptor [Callithrix j...	<u>21</u>	2370	
<a href="#">gi 1644427 gb AAB17995.1 </a>	glyoxalase II [Arabidopsis thaliana]	<u>21</u>	2370	
<a href="#">gi 11278820 pir  T44314</a>	hypothetical protein wbfC [imported...	<u>21</u>	2370	
<a href="#">gi 7432057 pir  T12361</a>	NADH2 dehydrogenase (ubiquinone) (EC...	<u>21</u>	2370	
<a href="#">gi 5360721 dbj BAA82130.1 </a>	acid phosphatase [Lupinus albus]	<u>21</u>	2370	

# Alignments

Get selected sequences

Select all

Deselect all

☐ >[gi|13605398|gb|AAK32703.1|](#) **G** prolactin receptor isoform delta S1 precursor [Hom  
Length = 521

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 322 QHNPR 326

☐ >[gi|12324040|gb|AAG51989.1|](#) glyoxalase II, putative; 78941-80643 [Arabidopsis th  
[gi|25405648|pir||H96575](#) probable glyoxalase II, 78941-80643 [imported] - Arabidop  
thaliana  
Length = 292

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 245 QHNPR 249

☐ >[gi|6981702|ref|NP\\_036816.1|](#) **G** variable coding sequence A1 [Rattus norvegicus]  
[gi|693997|emb|CAA59355.1|](#) **G** SMR1-VA1 [Rattus norvegicus]  
[gi|207000|gb|AAA42154.1|](#) **G** androgen regulated protein [Rattus norvegicus]  
[gi|57257|emb|CAA36705.1|](#) **G** SMR1 protein [Rattus norvegicus]  
[gi|112309|pir||A36302](#) submaxillary protein SMR1 precursor - rat



Length = 146

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 29 QHNPR 33

☐ >[gi|4506107|ref|NP\\_000940.1|](#) **G** prolactin receptor [Homo sapiens]  
[gi|37590303|gb|AAH59392.1|](#) **G** Prolactin receptor [Homo sapiens]  
[gi|4886768|gb|AAD32032.1|](#) **G** prolactin receptor [Homo sapiens]  
[gi|88459|pir||A40144](#) prolactin receptor long form precursor, hepatoma and breast  
cells - human  
[gi|130321|sp|P16471|PRLR\\_HUMAN](#) **G** Prolactin receptor precursor (PRL-R)  
[gi|190362|gb|AAA60174.1|](#) **G** prolactin receptor  
Length = 622

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 423 QHNPR 427

☐ >[gi|16272296|ref|NP\\_438509.1|](#) **G** ferredoxin-type protein [Haemophilus influenzae]  
[gi|1573315|gb|AAC22006.1|](#) **G** ferredoxin-type protein (napG) [Haemophilus influenzae]  
[gi|1074363|pir||A64149](#) hypothetical protein HI0345 - Haemophilus influenzae (stra  
KW20)  
[gi|1171649|sp|P44652|NAPG\\_HAEIN](#) Ferredoxin-type protein napG homolog  
Length = 279

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 177 QHNPR 181

☐ >[gi|134555|sp|P13432|SMR1\\_RAT](#) SMR1 protein precursor (VCS-alpha 1)  
[gi|206998|gb|AAA42153.1|](#) **G** SMG1 protein precursor  
Length = 146

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 29 QHNPR 33

☐ >gi|33113955|gb|AAP94580.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113947|gb|AAP94574.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113943|gb|AAP94571.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113939|gb|AAP94568.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113935|gb|AAP94565.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113931|gb|AAP94562.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113912|gb|AAP94550.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113910|gb|AAP94549.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113907|gb|AAP94547.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113904|gb|AAP94545.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113902|gb|AAP94544.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113899|gb|AAP94542.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113896|gb|AAP94540.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113894|gb|AAP94539.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113892|gb|AAP94538.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113885|gb|AAP94533.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113881|gb|AAP94530.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113873|gb|AAP94524.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113869|gb|AAP94521.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51



☐ >gi|33113865|gb|AAP94518.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113861|gb|AAP94515.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113858|gb|AAP94513.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113856|gb|AAP94512.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113846|gb|AAP94506.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113844|gb|AAP94505.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113842|gb|AAP94504.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR

Sbjct: 47 QHNPR 51

☐ >gi|33113840|gb|AAP94503.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113833|gb|AAP94498.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113830|gb|AAP94496.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113828|gb|AAP94495.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113826|gb|AAP94494.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113821|gb|AAP94491.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113824|gb|AAP94493.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370

Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113817|gb|AAP94488.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113813|gb|AAP94485.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113799|gb|AAP94475.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113795|gb|AAP94472.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113792|gb|AAP94470.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113790|gb|AAP94469.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113786|gb|AAP94467.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113779|gb|AAP94462.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113788|gb|AAP94468.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113783|gb|AAP94465.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113776|gb|AAP94460.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113774|gb|AAP94459.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113771|gb|AAP94457.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113760|gb|AAP94451.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR

Sbjct: 47 QHNPR 51

☐ >gi|33113768|gb|AAP94455.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113766|gb|AAP94454.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113764|gb|AAP94453.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113758|gb|AAP94450.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113756|gb|AAP94449.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113753|gb|AAP94447.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113746|gb|AAP94442.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113744|gb|AAP94441.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113742|gb|AAP94440.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 331

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 33 QHNPR 37

☐ >gi|33113739|gb|AAP94438.1| NADH dehydrogenase subunit II [Anolis cybotes]  
gi|33113736|gb|AAP94436.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345



Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

☐ >gi|33113733|gb|AAP94434.1| NADH dehydrogenase subunit II [Anolis cybotes]  
Length = 345

Score = 20.6 bits (41), Expect = 2370  
Identities = 5/5 (100%), Positives = 5/5 (100%)

Query: 1 QHNPR 5  
QHNPR  
Sbjct: 47 QHNPR 51

Get selected sequences

Select all

Deselect all

Database: All non-redundant GenBank CDS  
translations+PDB+SwissProt+PIR+PRF excluding environmental samples  
Posted date: Nov 28, 2004 12:19 AM  
Number of letters in database: 740,385,392  
Number of sequences in database: 2,183,111

Lambda	K	H
0.351	0.277	1.91

Gapped

Lambda	K	H
0.294	0.110	0.610

Matrix: PAM30  
Gap Penalties: Existence: 9, Extension: 1  
Number of Hits to DB: 2,896,285  
Number of Sequences: 2183111  
Number of extensions: 4194  
Number of successful extensions: 160  
Number of sequences better than 20000.0: 159  
Number of HSP's better than 20000.0 without gapping: 159  
Number of HSP's successfully gapped in prelim test: 0  
Number of HSP's that attempted gapping in prelim test: 0  
Number of HSP's gapped (non-prelim): 160  
length of query: 5  
length of database: 740,385,392  
effective HSP length: 0  
effective length of query: 5  
effective length of database: 740,385,392  
effective search space: 3701926960  
effective search space used: 3701926960  
T: 11  
A: 40

X1: 14 ( 7.1 bits)  
X2: 35 (14.8 bits)  
X3: 58 (24.6 bits)  
S1: 34 (19.1 bits)  
S2: 34 (17.6 bits)